



Children's University
School of Nutrition and Health
Department of Home Science
Gandhinagar

ACADEMIC YEAR
2020-2021

Year	I	Course Type: Core Compulsory Course No: NDC 102 Course Title: Advance Clinical Nutrition	Credits	4
Semester	I	P.G.Diploma in Nutrition and Dietetics	Hours/wk	4
Objectives	<ol style="list-style-type: none"> 1. To enable the students to understand processes involved in nutritional care, 2. To enable them to know purpose(s) of therapeutic diet adaptations, 3. To enable them to understand relationship between nutrition and infection, 4. To enable them to understand protocol for prescribing these nutritional support 			
COURSE CONTENT / SYLLABUS-THEORY				
UNIT - I	<p>Adaptation of Therapeutic Diet</p> <ul style="list-style-type: none"> • Normal Nutrition: A Base of Therapeutic Diet • Diet Prescription • Constructing Therapeutic Diets • Routine Hospital Diet <ul style="list-style-type: none"> • Normal or General Diets • Liquid Diets • Soft Diets • Mode of Feeding <ul style="list-style-type: none"> • Oral Feeding • Tube or Enteral Feeding • Peripheral Vein Feeding • Total Parenteral Nutrition <p>Medical Nutritional Therapy in Critical Care</p> <ul style="list-style-type: none"> • Nutritional management of Critically Ill • Special feeding method in nutritional Support <ul style="list-style-type: none"> • Enteral Nutrition(EN) • Parenteral Nutrition Nutritional 			
Unit II	<p>Management in Fever and infection</p> <ul style="list-style-type: none"> • Defence Mechanism in the Body • Nutrition and Infection • Metabolic Changes during Infection • Classification and Etiology of Fever infection • Typhoid • Chronic Fever / Infection <ul style="list-style-type: none"> • Tuberculosis • HIV (Human Immuno Deficiency Virus) Infection and AIDS (Acquired Immune Deficiency Syndrome) 			

<p>Unit III</p>	<p>Pediatric Problems and Nutritional Management</p> <ul style="list-style-type: none"> • Congenital Heart Disease (CHD) • Preterm /Low Birth Weight • Lactose Intolerance • Celiac Disease • Inborn Errors of Metabolism <ul style="list-style-type: none"> • Phenylketonuria (PKU) • Tyrosinemia • Maple Syrup Urine Disease (MSUD) • Homocystinuria • Galactosemia
<p>Unit IV</p>	<p>Nutritional Management in Weight Imbalance and Adverse Food Reactions</p> <ul style="list-style-type: none"> • Weight Imbalance -Prevalence and Classification <ul style="list-style-type: none"> • Guidelines for Calculating ideal Body Weight • Obesity • Etiology • Energy Balance • Management of Obesity • Dietary and Lifestyle Modifications • Preventive Aspects • Underweight • Etiology • Dietary Management • Adverse Food Reactions <ul style="list-style-type: none"> • Food Allergy (Hypersensitivity) • Food Intolerance • Adverse Food Reactions-The Diagnosis Process • Treatment and Management of Adverse Food Reactions • Prevention of Adverse Food Reactions
<p>Reference</p>	
<ol style="list-style-type: none"> 1. Robinson CH, Laer MR, Chenoweth WL and Garovich AE (1998). Normal and Therapeutic Nutrition (17th ed.). Macmillan Publishing Company, New York 2. Mahan KL and Stump SE (2007). Krause's Food and Nutrition Therapy (12th ed.) Saunders Publishing 3. Association of Physicians of India (1998). API Textbook of Medicine, Vol. I and II. Published by Association of Physicians of India 4. થેરાપ્યુટિક ન્યુટ્રિશન 5. ફન્ક્શનલ ઓફ ફૂડ એન્ડ ન્યુટ્રિશન 	